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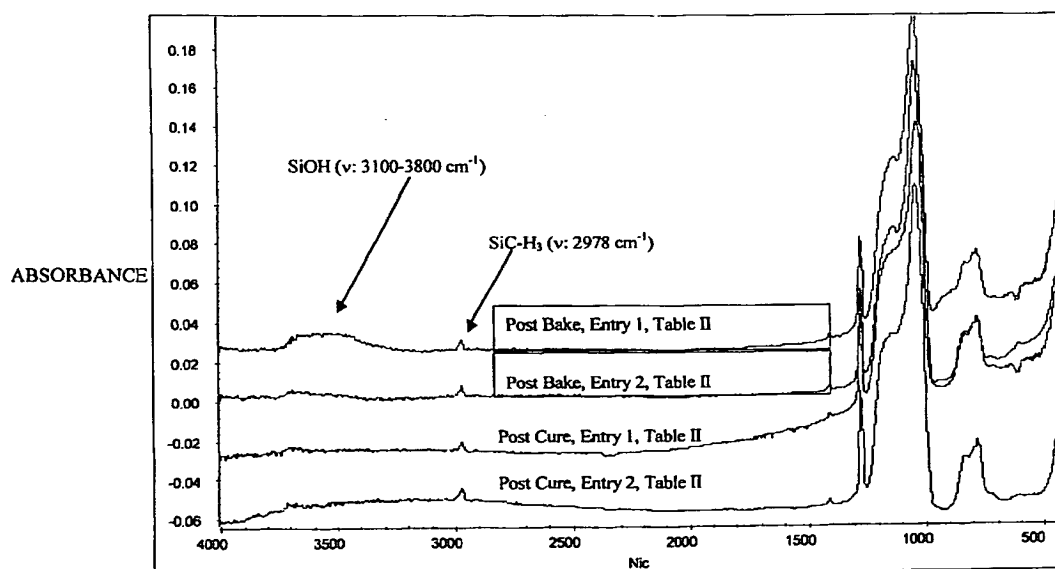
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(54) Title: **LOW METAL POROUS SILICA DIELECTRIC FOR INTEGRAL CIRCUIT APPLICATIONS**



(57) Abstract: The invention relates to the production of nanoporous silica dielectric films and to semiconductor devices and integrated circuits comprising these improved films. The nanoporous films of the invention are prepared using silicon containing pre-polymers and are prepared by a process that allows crosslinking at lowered gel temperatures by means of a metal-ion-free onium or nucleophile catalyst.

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INTERNATIONAL SEARCH REPORT

International Application No

P 02/15256

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L21/316 H01L21/312 C08J9/26 C09D183/04 C09D183/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L C08J C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 86709 A (HONEYWELL INT INC) 15 November 2001 (2001-11-15) claims 1-35 page 12, line 4 - line 34 page 13, line 1 - line 8 page 14, line 3 -page 15, line 33 page 18, line 9 - line 25 ---	1-53
X	WO 00 13220 A (ALLIED SIGNAL INC) 9 March 2000 (2000-03-09) claims 1-26 page 9, line 13 - line 24 page 11, line 21 -page 12, line 24 --- -/--	1,31,34, 47,53



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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